

Roger S. Sampson
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Fig. 1A

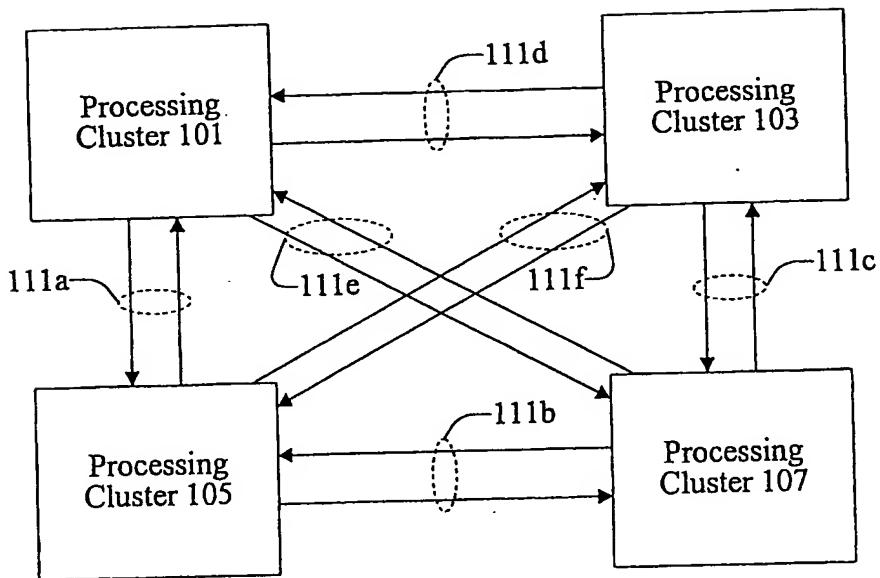


Fig. 1B

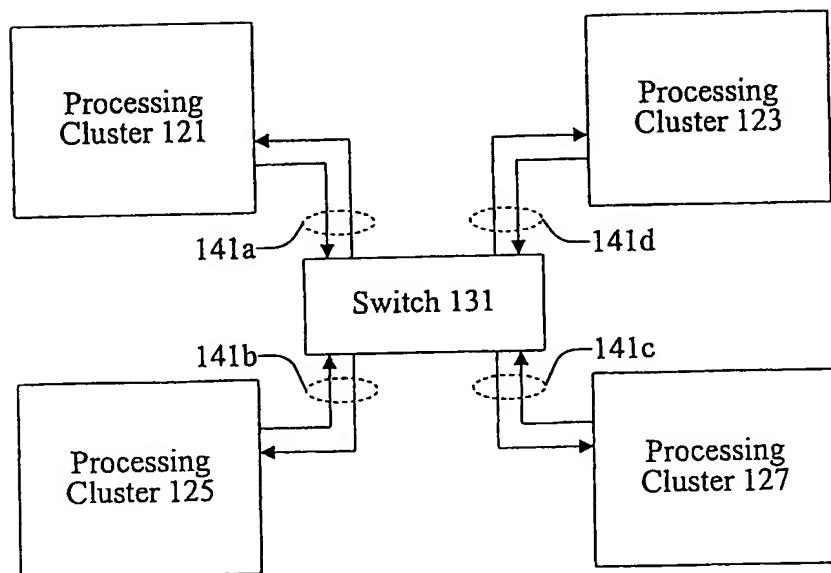
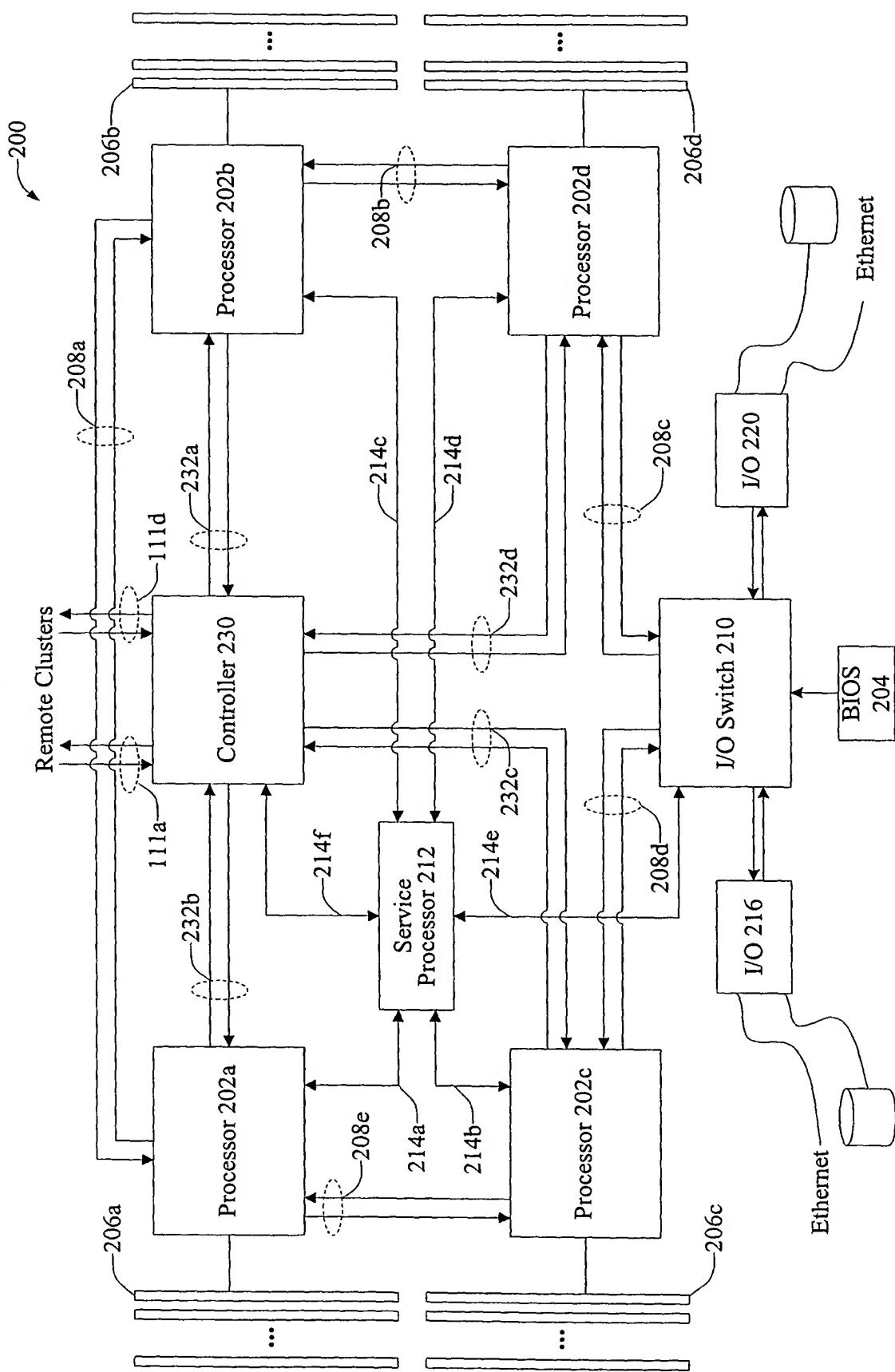
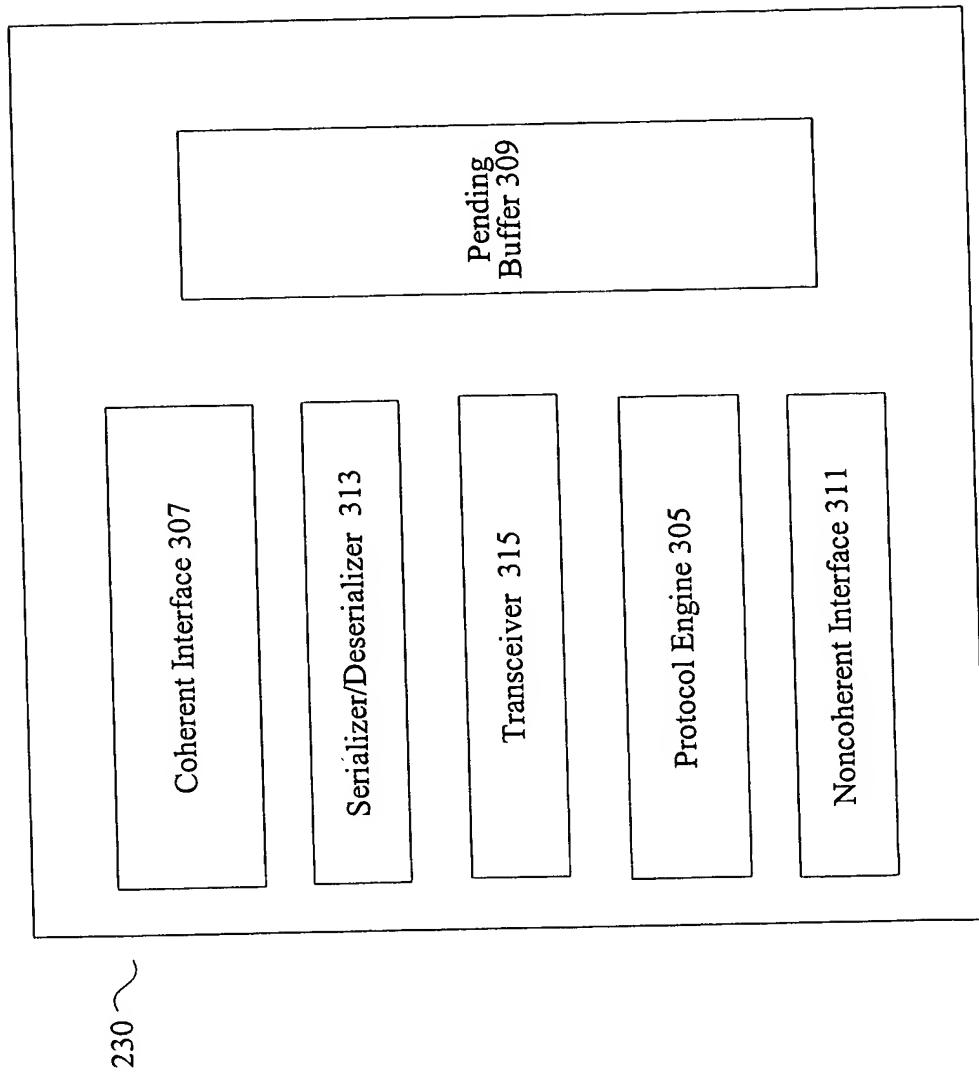


Fig. 2



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Fig. 3



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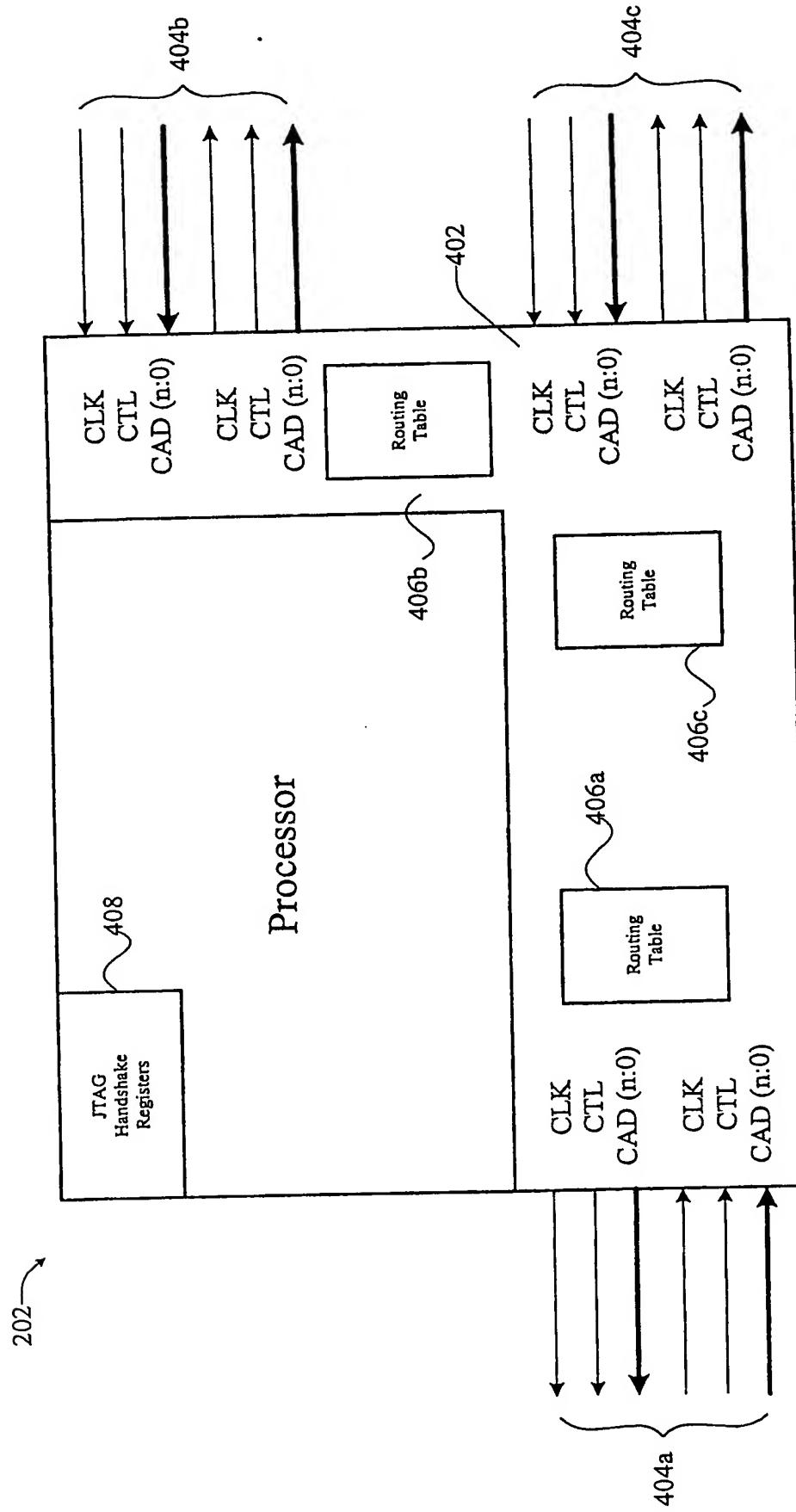


Fig. 4

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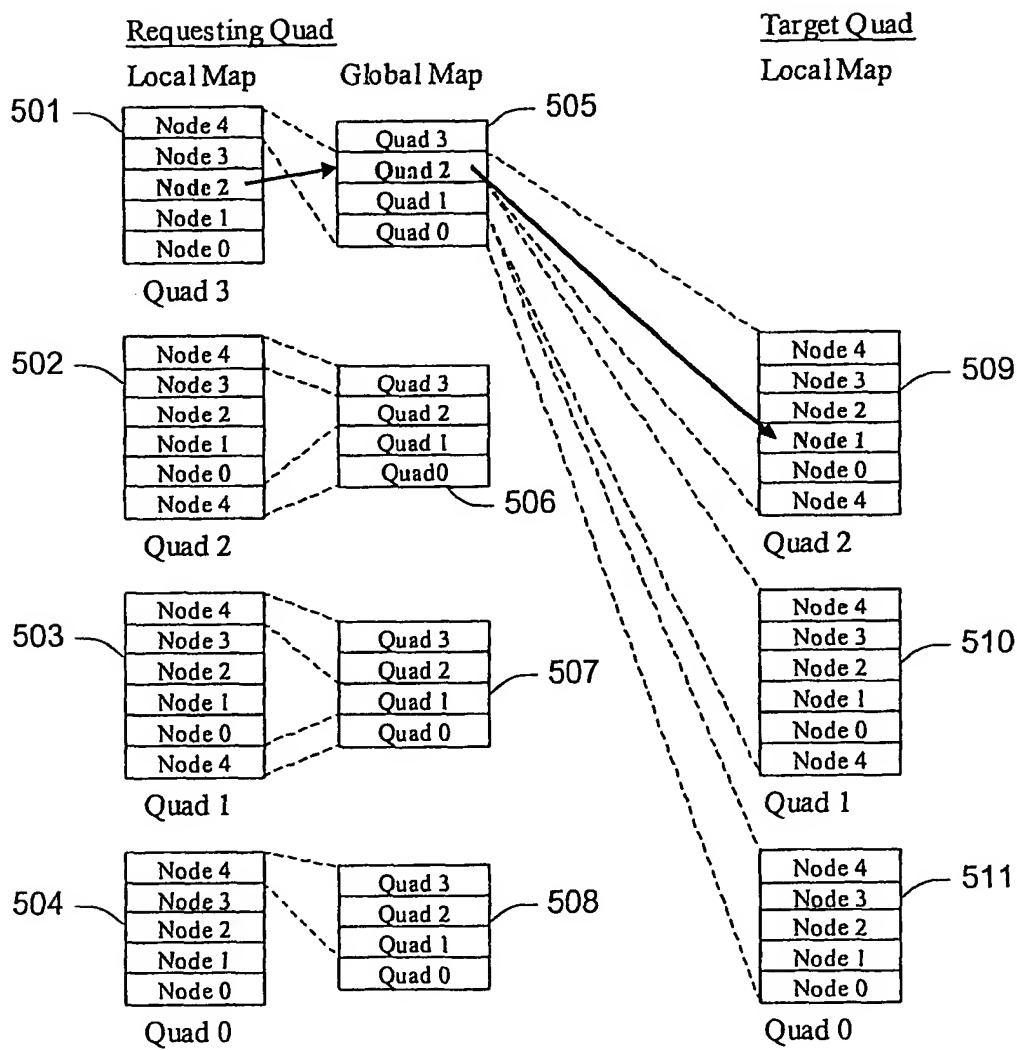
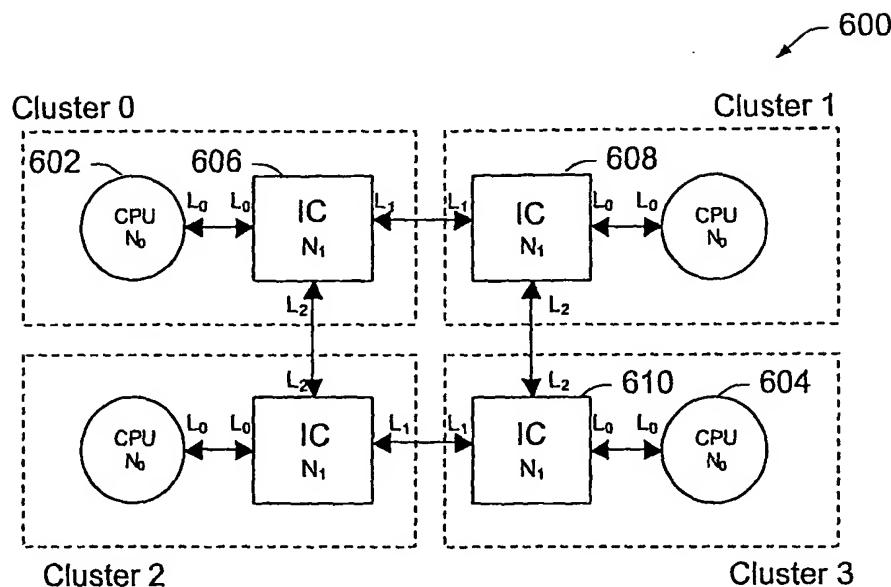


Fig. 5

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L# - Link number
 N# - Node number

Fig. 6A

		Local Table		Global Table			
		Dest Node		Dest Cluster			
Source		N ₀	N ₁	C ₀	C ₁	C ₂	C ₃
Cluster 0	Node 0	X	L ₀	NA	NA	NA	NA
	Node 1	L ₀	X	X	L ₁	L ₂	L ₁
Cluster 1	Node 0	X	L ₀	NA	NA	NA	NA
	Node 1	L ₀	X	L ₁	X	L ₂	L ₂
Cluster 2	Node 0	X	L ₀	NA	NA	NA	NA
	Node 1	L ₀	X	L ₂	L ₂	X	L ₁
Cluster 3	Node 0	X	L ₀	NA	NA	NA	NA
	Node 1	L ₀	X	L ₂	L ₂	L ₁	X

Fig. 6B

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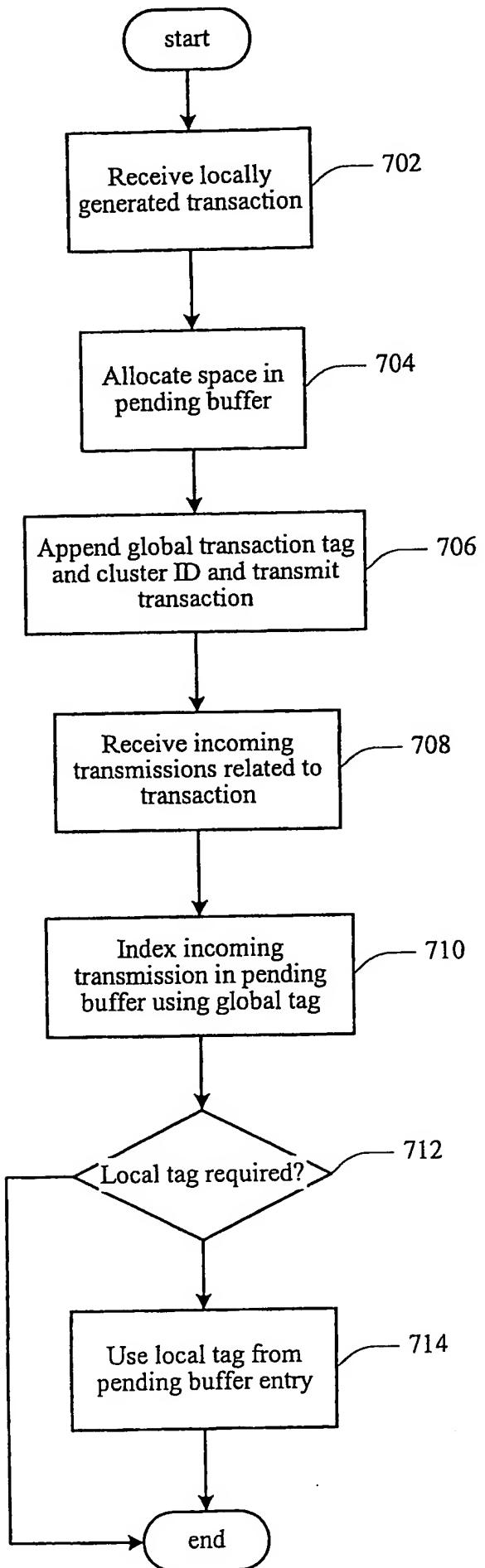


Fig. 7

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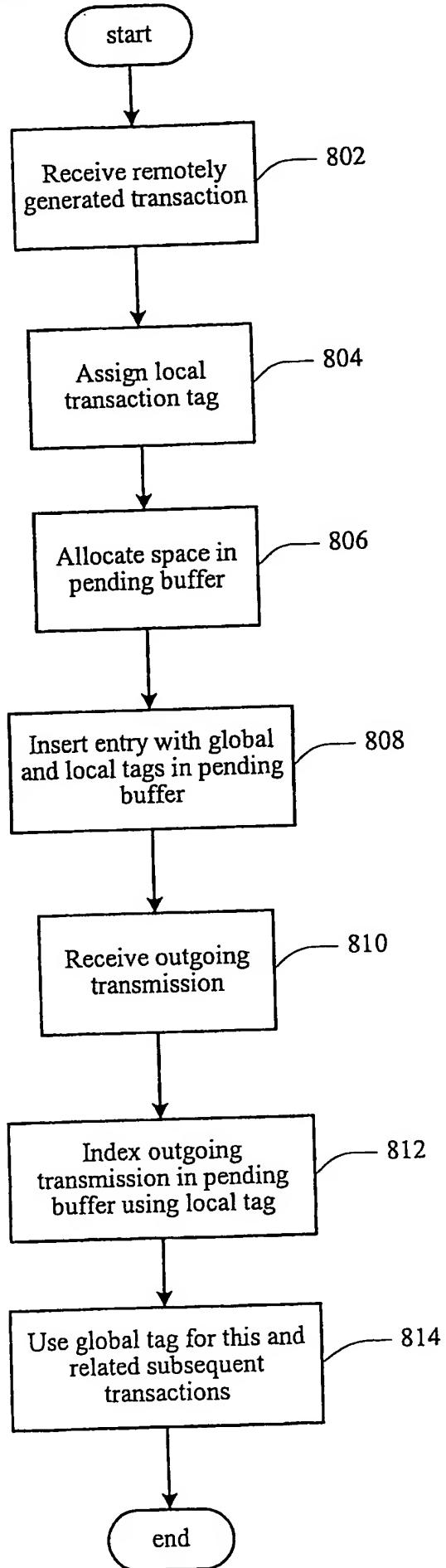
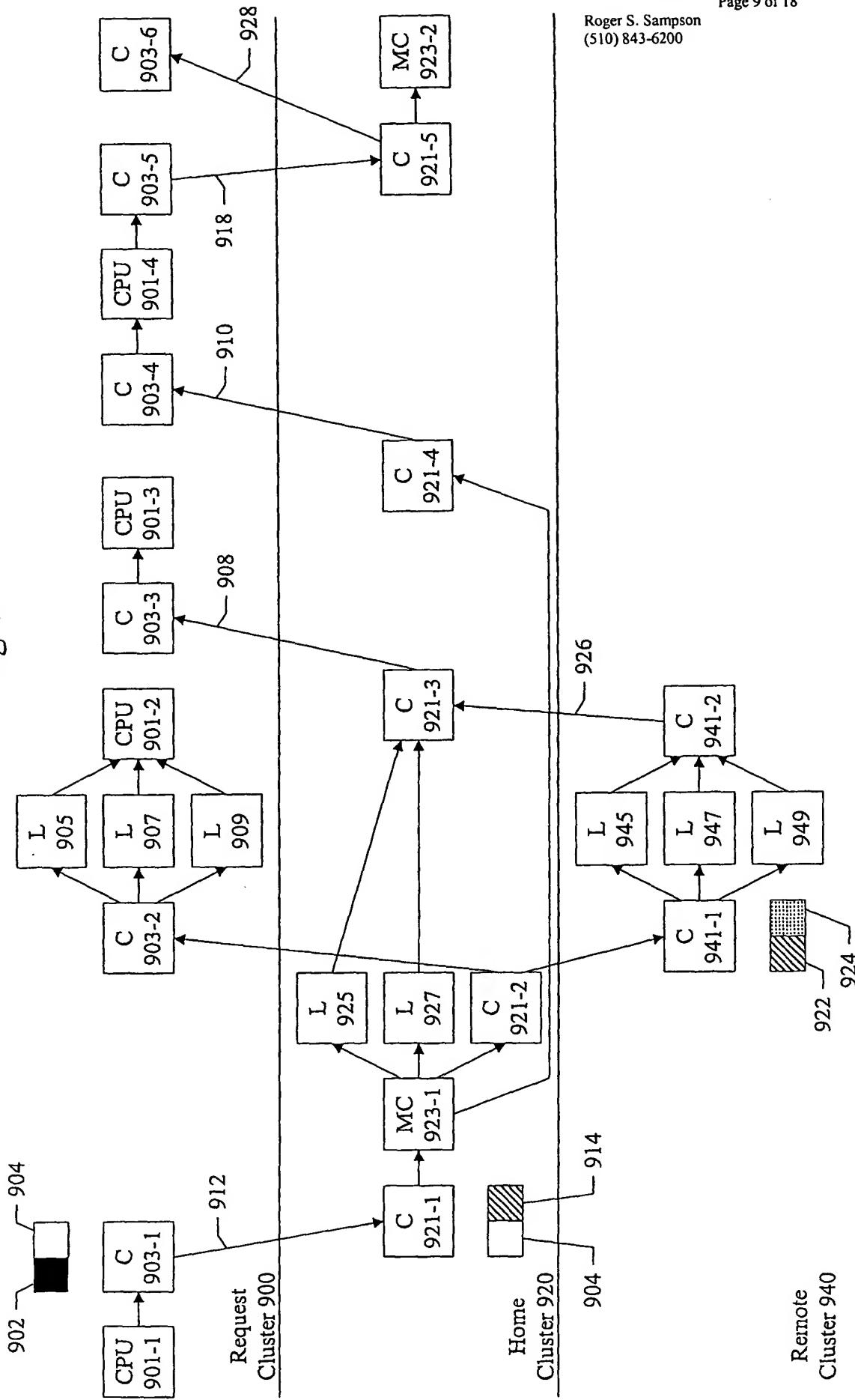


Fig. 8

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Fig. 9



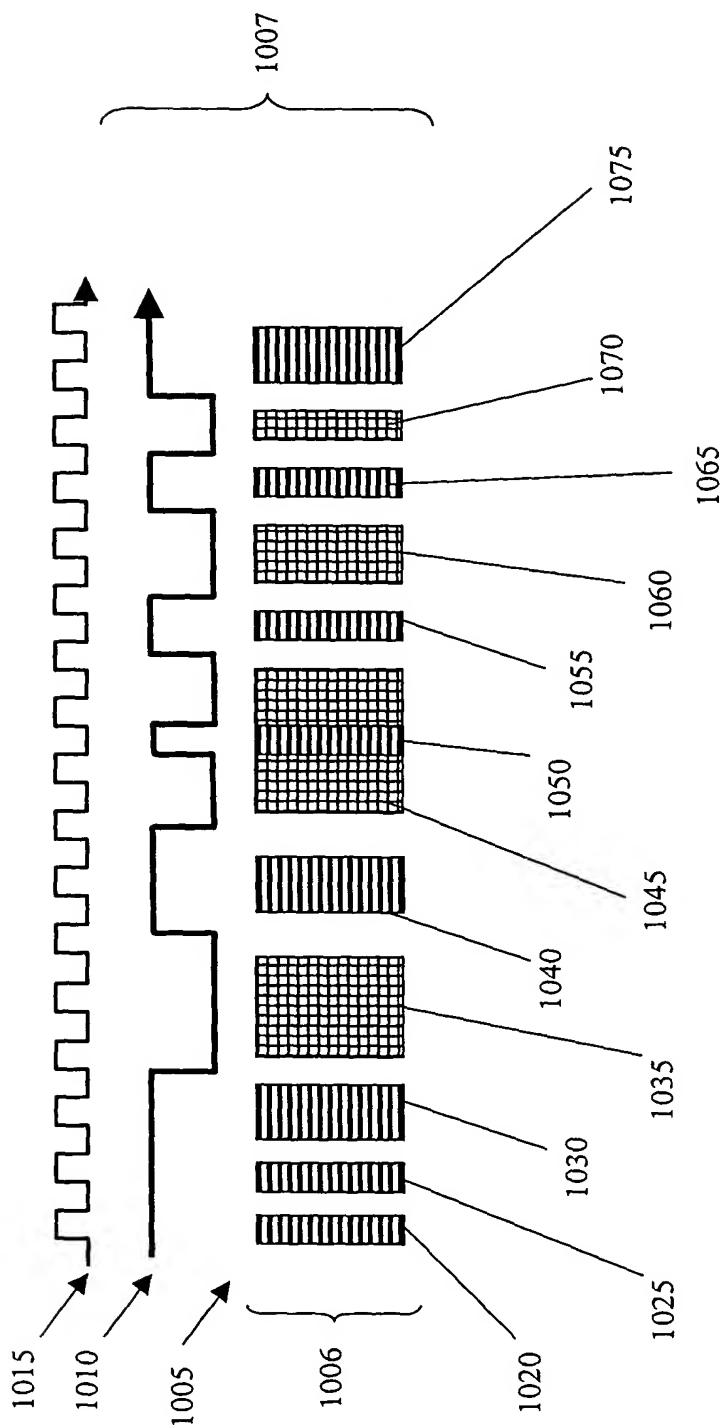


Fig. 10

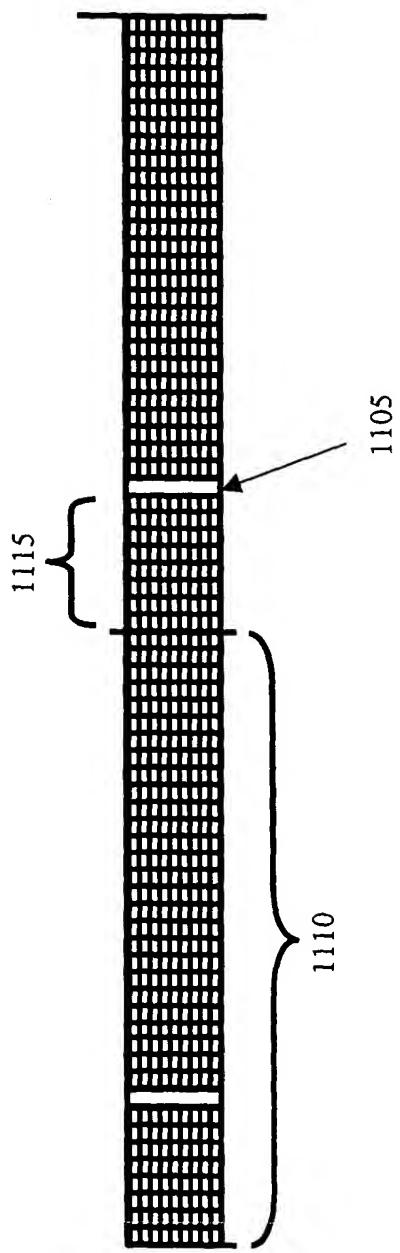


Fig. 11A

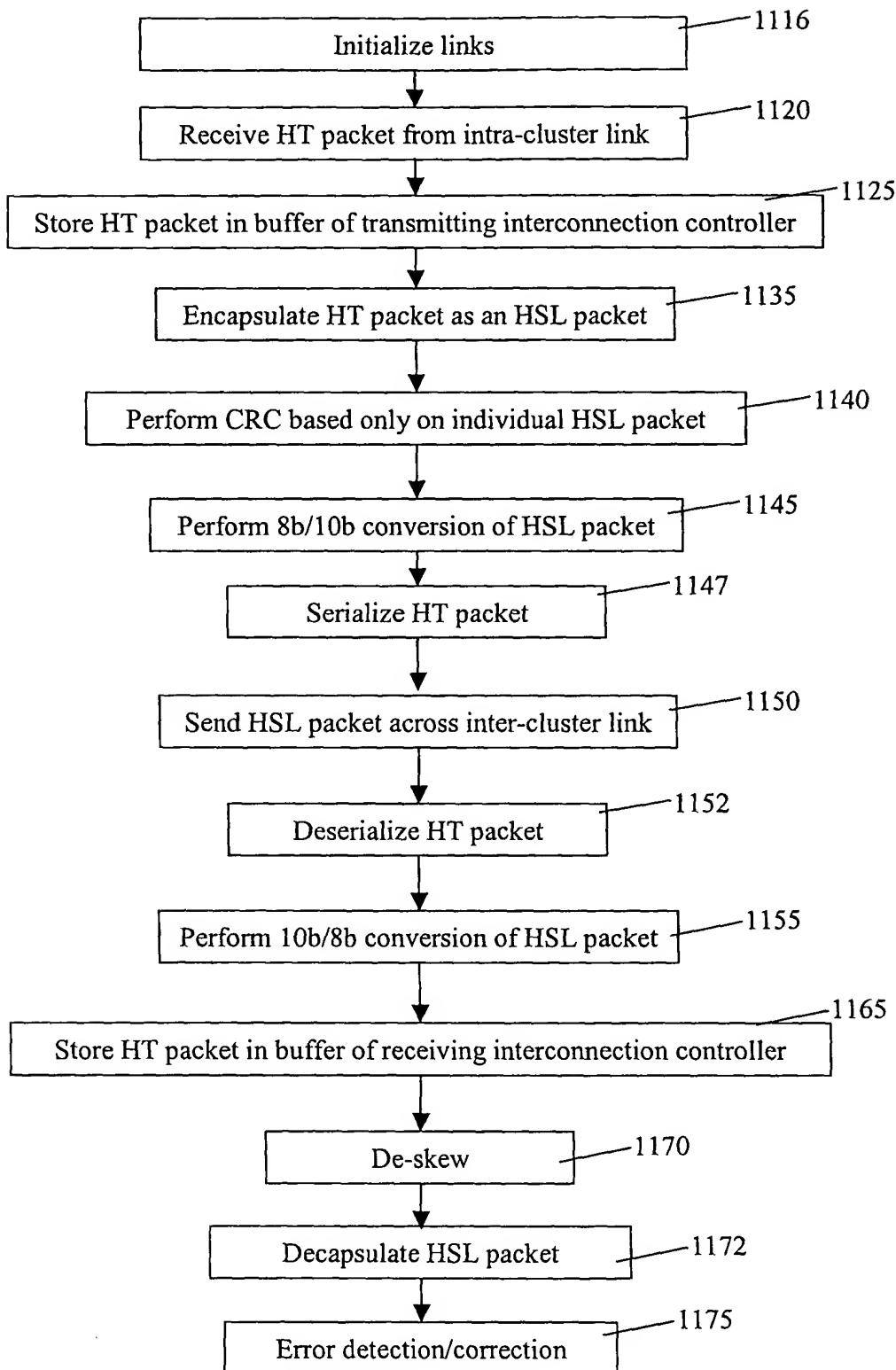


Fig. 11B

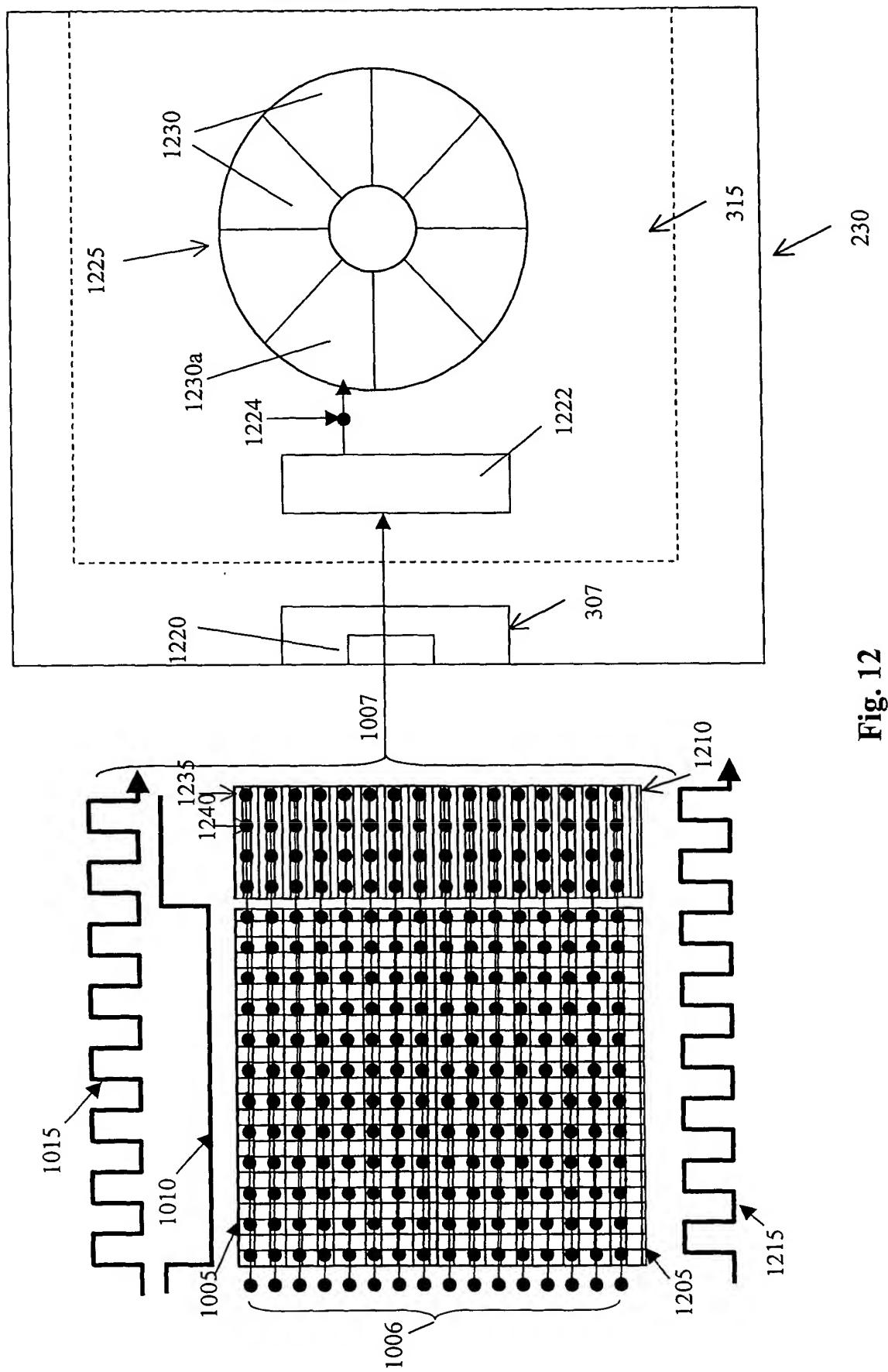


Fig. 12

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32b HT packet	32 b ACK/NACK packet	6b SeqID	2b PT	12b Remote bits	12b CRC12
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Fig 13A: Protocol Packet- 32b Control

32b (31:0) HT packet	32 b (63:32) HT packet	6b SeqID	2b PT	12b Remote bits	12b CRC12
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Fig 13B: Protocol Packet- 64b Control.

32b Data	32 b unused	6b SeqID	2b PT	8b Packet length	16b CRC16
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Fig. 13C: Data Packet- 32b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16b CRC16
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Fig. 13D: Data Packet- 64b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16 b unused
32b (95:64) Data	32 b unused	16b unused			16b CRC16

Fig 13E: Data Packet- 96b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16 b unused
32b (95:64) Data	32b (127:96) Data	16b unused			16b CRC16

Fig 13F: Data Packet- 128b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16 b unused
32b (95:64) Data	32b (127:96) Data	32 b (159:128) Data			
32 b unused	32 b unused	16b unused		16b CRC16	

Fig 13G: Data Packet- 160b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16 b unused
32b (95:64) Data	32b (127:96) Data	32 b (159:128) Data			
32 b (191:160) Data	32 b unused	16 b unused		16b CRC16	

Fig 13H: Data Packet- 192b.

32b (31:0) Data	32 b (63:32) Data	6b SeqID	2b PT	8b Packet length	16 b unused
32b (95:64) Data	32b (127:96) Data	32 b (159:128) Data			
32b (191:160) Data	32b (223:192) Data	32 b (255:224) Data			
32b (303:272) Data	32b (335:304) Data	32 b (367:336) Data			
32b (383:368) Data	32b (415:384) Data	32 b (447:416) Data			
32b (479:448) Data	32b (511:480) Data	16 b unused		16b CRC16	

Fig 13I: Data Packet- 512b.

Command	8b Rsv	8b Rsv	1b Rsv	SeqID	1b Valid
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Fig 13J: ACK/NACK Packet Format.

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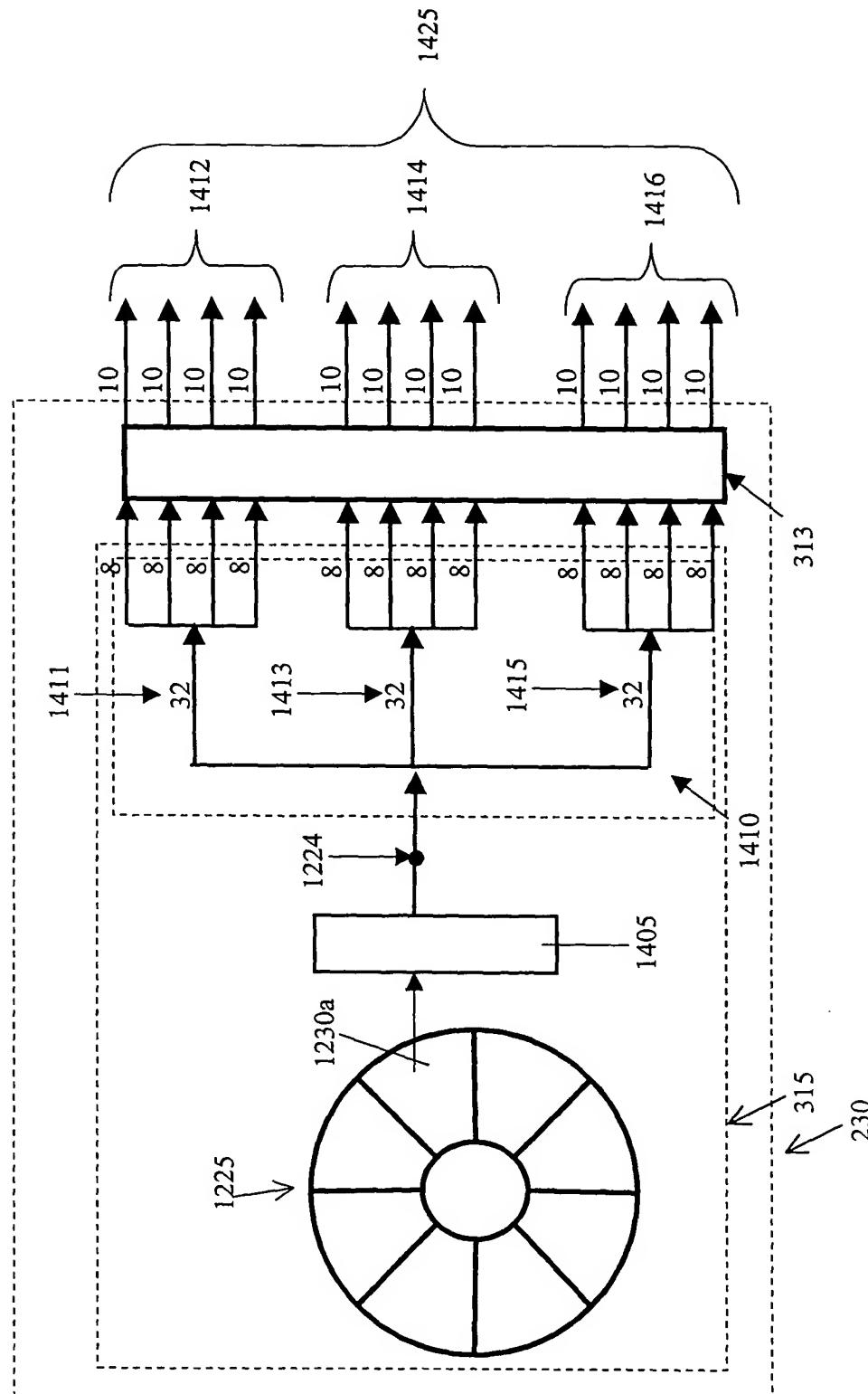


Fig. 14

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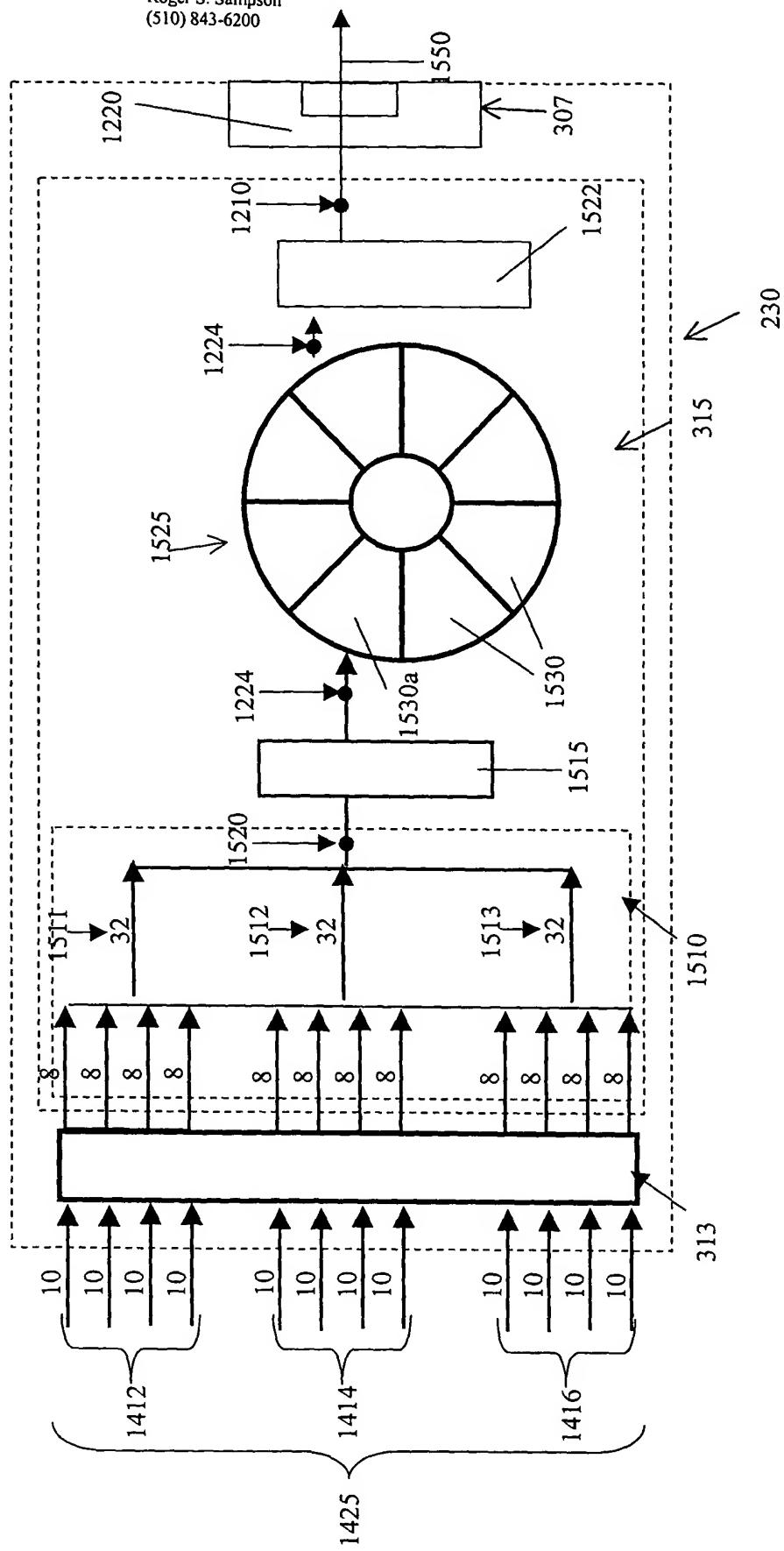


Fig. 15

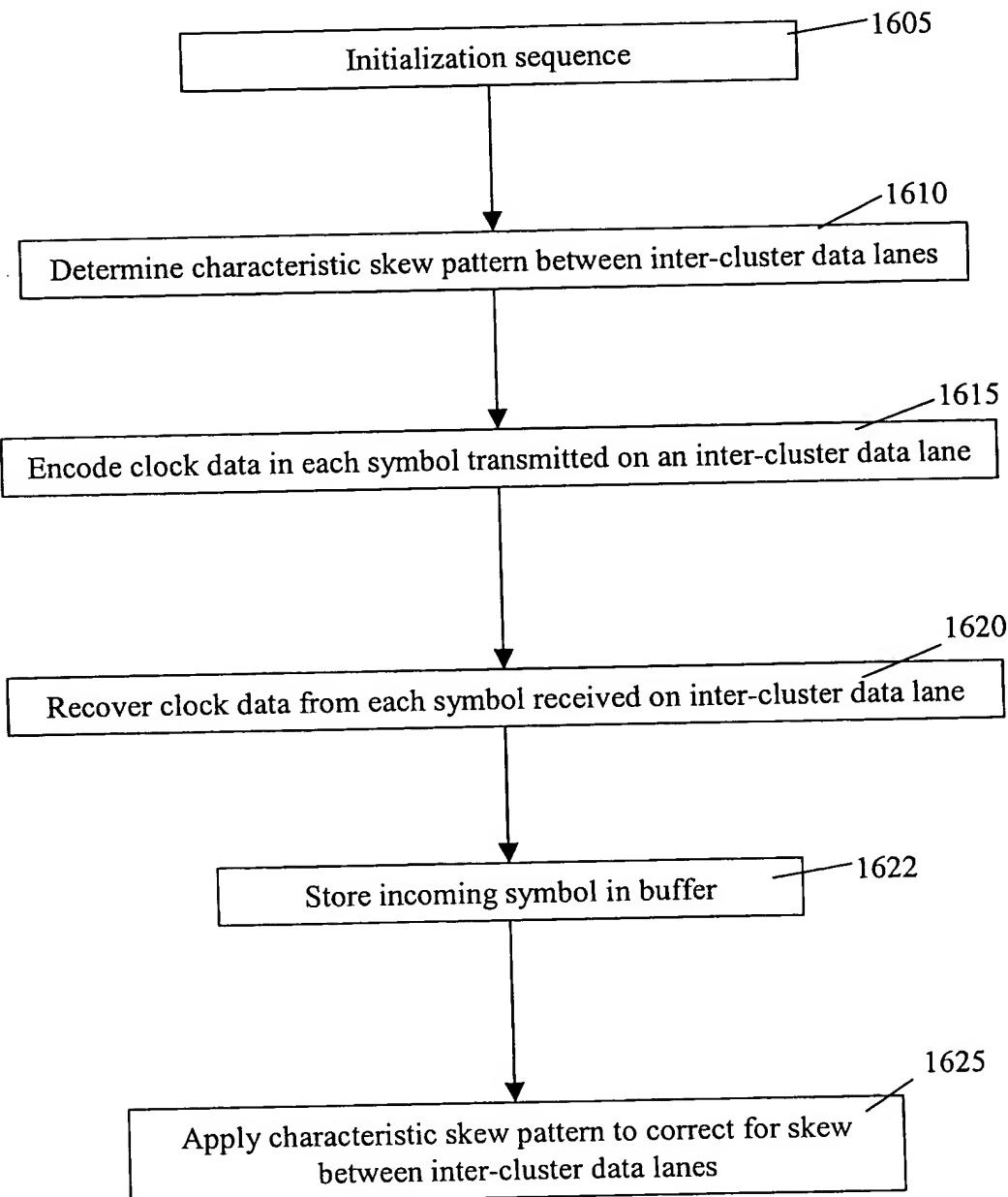


Fig. 16